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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,847	07/31/2003	Akira Kawai	241124US3	1987
22850	7590 10/19/2006		EXAMINER	
=	MCCLELLAND	SINES, BRIAN J		
OBLON, SP 1940 DUKE	•	D, MAIER & NEUSTADT, P.C.	ART UNIT	PAPER NUMBER
ALEXAND	RIA, VA 22314		1743	
			DATE MAILED: 10/19/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	
		10/630,847	KAWAI ET AL.	
Office Action	on Summary	Examiner	Art Unit	
		Brian J. Sines	1743	
The MAILING DA Period for Reply	ATE of this communication a	ppears on the cover sheet w	ith the correspondence addre	ess
WHICHEVER IS LONG - Extensions of time may be available. after SIX (6) MONTHS from the second of the	SER, FROM THE MAILING aliable under the provisions of 37 CFR the mailing date of this communication. the dabove, the maximum statutory period or extended period for reply will, by statice later than three months after the mail	DATE OF THIS COMMUNIO I.136(a). In no event, however, may a r	eply be timely filed ITHS from the mailing date of this comm BANDONED (35 U.S.C. § 133).	
Status	•			
1) Responsive to co	ommunication(s) filed on	·		
2a) ☐ This action is FIN		is action is non-final.		
<u> </u>	•	ance except for formal matt	ers, prosecution as to the m	erits is
closed in accorda	ance with the practice under	Ex parte Quayle, 1935 C.D). 11, 453 O.G. 213.	
Disposition of Claims				
4)⊠ Claim(s) <u>1-22</u> is/a	are pending in the application	n.		
4a) Of the above	claim(s) is/are withdi	awn from consideration.		
5) Claim(s) is	s/are allowed.			
6)⊠ Claim(s) <u>1-22</u> is/a	are rejected.			
7) Claim(s) is	s/are objected to.			
8) Claim(s) a	re subject to restriction and	or election requirement.		
Application Papers	,			
9) The specification	is objected to by the Exami	ner.	• .	
10) ☐ The drawing(s) file	ed on is/are: a)☐ ad	ccepted or b) objected to	by the Examiner.	
Applicant may not	request that any objection to th	e drawing(s) be held in abeyar	nce. See 37 CFR 1.85(a).	
•	• • • •	, ,	(s) is objected to. See 37 CFR	` ,
11)☐ The oath or decla	ration is objected to by the	Examiner. Note the attached	d Office Action or form PTO-	-152.
Priority under 35 U.S.C. §	119			
a) ☐ All b) ☐ Som	is made of a claim for foreion e * c)☐ None of: opies of the priority docume	n priority under 35 U.S.C. §	119(a)-(d) or (f).	
	• •	nts have been received in A	pplication No	
	he certified copies of the pr from the International Bure		received in this National St	age
• •		st of the certified copies not	received.	
		•		
Attachment(s)	,			
1) Notice of References Cited			Summary (PTO-413)	
 Notice of Draftsperson's Pa Information Disclosure State 	atent Drawing Review (PTO-948)		s)/Mail Date nformal Patent Application	
3) M Information Disclosure State Paper No(s)/Mail Date	emeni(a) (F 10/30/00)	6) Cother:	···-·	

Art Unit: 1743

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 – 22 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01. The omitted structural cooperative relationships are: Regarding claim 1, it is unclear as to how the fine channel device and the fluid supply device components are positioned with respect to one another in order to function. Are the two components integrated and stacked together? Are both of the components circular or disk shaped to facilitate proper radial alignment for their respective channels? The structure which goes to make up the device must be clearly and positively specified. The structure must be organized and correlated in such a manner as to present a complete operative device. Furthermore, a feature which is taught as critical in a specification should be recited in the claims (see MPEP § 2164.08(c)).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional cited prior art teach related microfluidic devices incorporating similar structural configurations.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian J. Sines whose telephone number is (571) 272-1263. The examiner can normally be reached on Monday - Friday (11 AM - 8 PM EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on (571) 272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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